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Interoperability and Jointness in the Information Age:

An Industry View

Presented to :
2004 Defense Acquisition University Alumni Association Symposium

June 8, 2004

Jack Costello
Network Centric Systems
Strategic Transformation

The Customer is Changing… Transforming

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Forces Driving Change

- Nation at War
- Threat is Changing
- Budget Pressures
- Lessons Learned from Prior Conflicts
- Information Age, Technology Advances

Customer Direction

Doctrine – Emphasis on Jointness

Training – Integrated Joint, National

Leader Development – Adaptive

Organization – Becoming Modular

Material – Net-Enabled, Capabilities Based

Personnel – Unit Cohesion, Unit Rotations

Facilities – Realignment, Nodes
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int Capabilities, Integration and Development System (JCIDS):
Top Down Capabilities Based Requirements

"…[NCO] is at the Heart of Force Transformation…"

Net-Centric Operations . . . Definition and Impact

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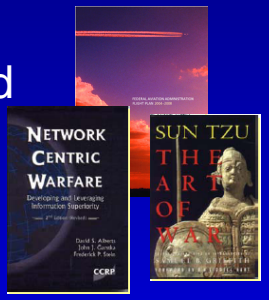
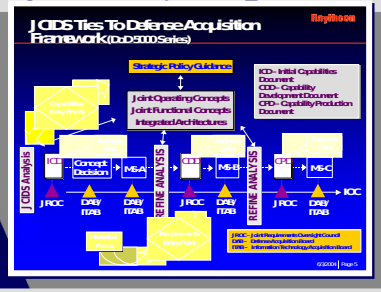
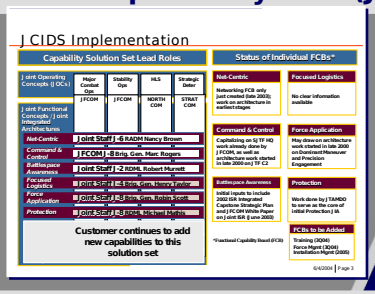
NET-CENTRIC OPERATIONS & WARFARE

An Information Superiority-enabled concept of operations *that generates* **increased power by networking sensors, decisions makers, platforms, and effects** *to achieve* shared awareness, increased speed of command, higher tempo of operations, greater lethality, increased survivability and a degree

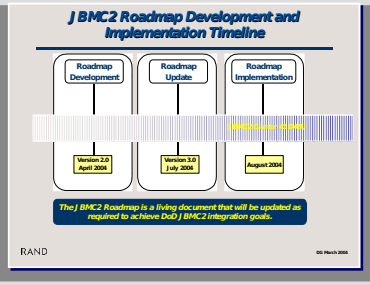


Joint Capabilities, Integration and Development System (JCIDS)




J CIDS Implementation
Capability Solution Set Lead Roles
Status of Individual FCBs*
Joint Staff J-6 RADM Nancy Brown
JFCOM J-8 Brig. Gen. Marc Rogers
Joint Staff J-2 RDML Robert Murrett
Joint Staff J-4 Brig. Gen. Wendy Taylor
Joint Staff J-8 Brig. Gen. Dennis Scott
Joint Staff J-8 RDML Michael Mathis
Customer continues to add new capabilities to this solution set

Joint Battle Management Command & Control(JMBC2)


J BMC2 Roadmap Development and Implementation Timeline
Roadmap Development
Roadmap Update
Roadmap Implementation
Version 2.0 April 2004
Version 3.0 July 2004
August 2004
The J BMC2 Roadmap is a living document that will be updated as required to achieve DoD JBMC2 integration goals.
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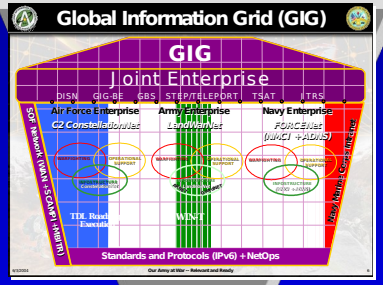
Global Information Grid(GIG)



Moving From "Talking about NCO" to "Implementing NCO"

Customer Requirements Process Migrating to Capabilities

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Previous Process: (DoD Dir 5000.1, The Defense Acquisition System, DoD Instruction 5000.2, The Operation of the Defense Acquisition System and DoD 5000.2-R, Mandatory Procedures for Major Defense Acquisition Programs)

Frequently Produced Stovepiped System Solutions

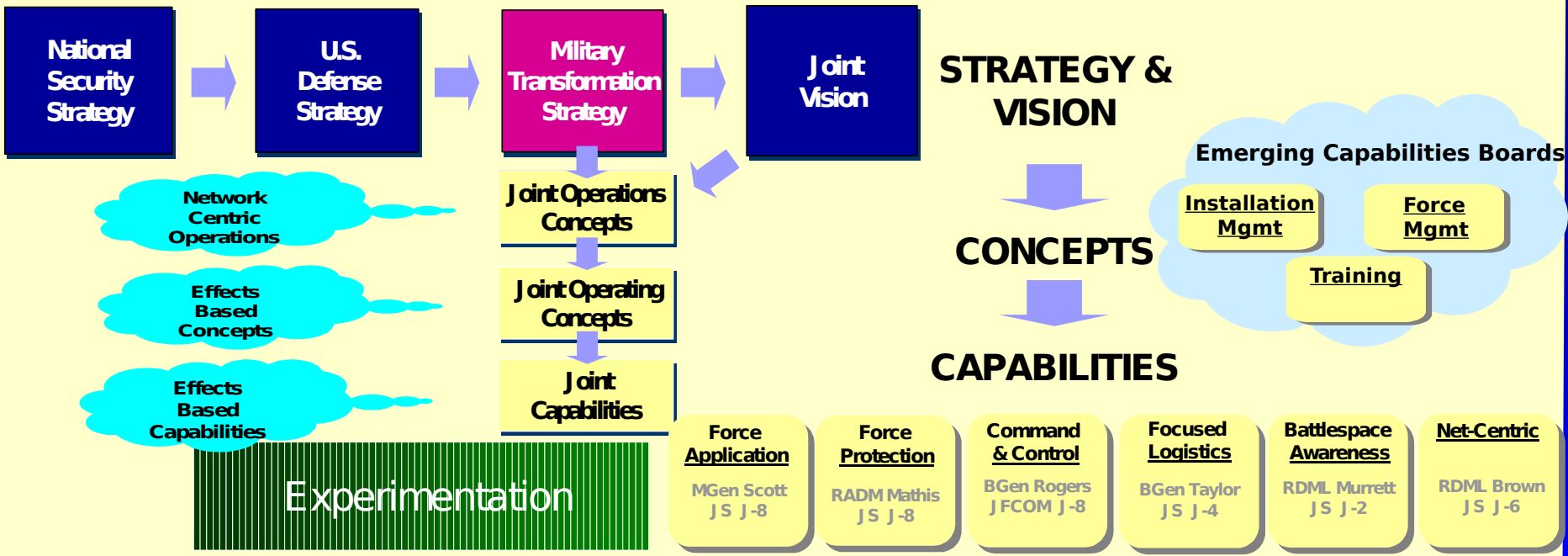
- Requirements were Service rather than Joint focused
- Lacked construct for objective analysis
- Systems not necessarily integrated
- Duplication existed particularly in smaller programs
- Evolutionary acquisition not well institutionalized
- Joint warfighting needs not prioritized

Current Process: "JCIDS"

(Joint Capabilities Integration and Development System, CJCSM 3170.01A & D, 12 March 04)

JCIDS seeks to:

- Enhance methodology to identify and describe capabilities gaps
- Mandate broader review of capability proposals
- Engage the acquisition community early
- Better define non-materiel aspects of materiel solutions
- Prioritize capability gaps and proposals
- Improved coordination with other departments and agencies



JCIDS Ties To Defense Acquisition Framework (DoD 5000 Series)

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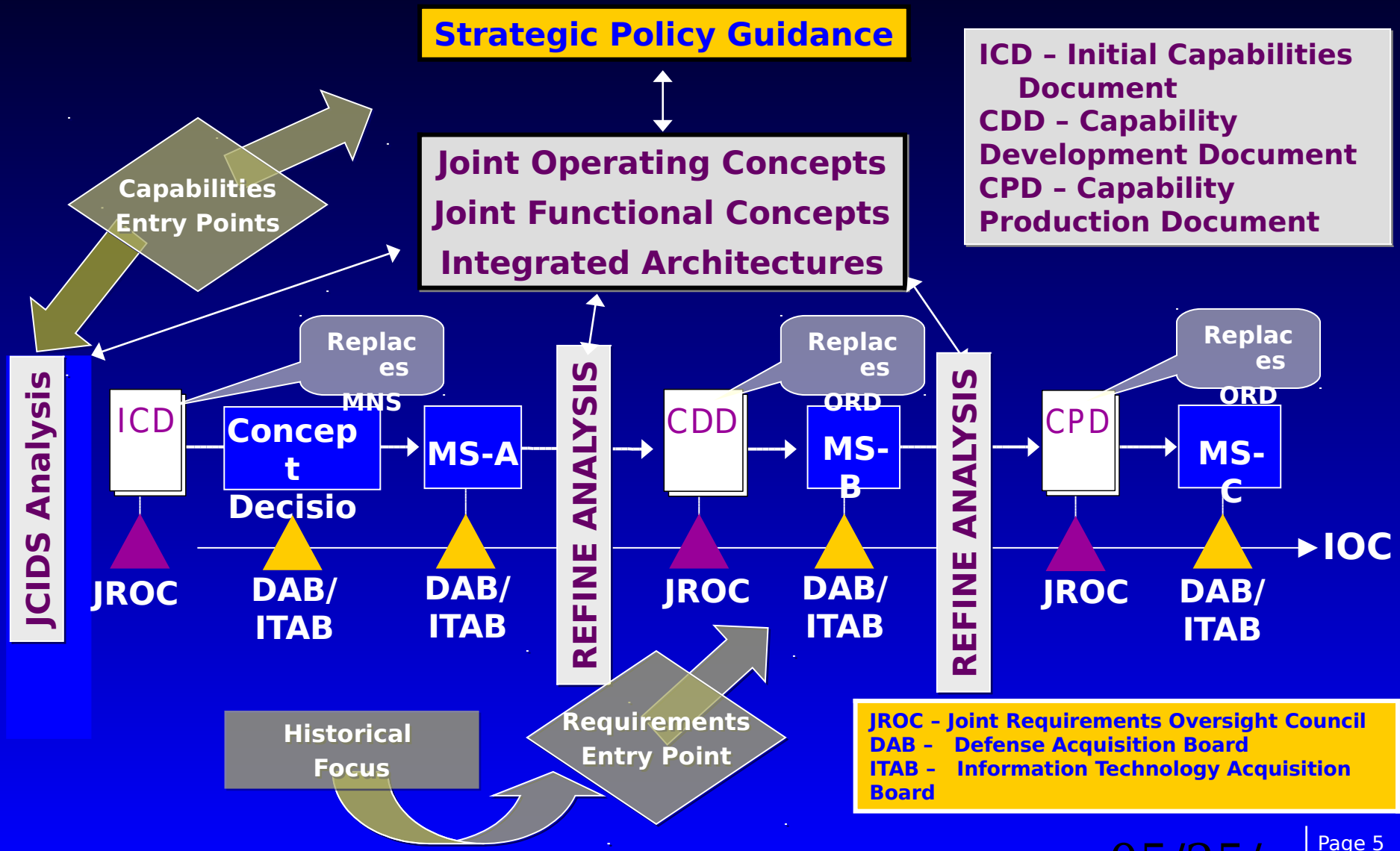

Industry Reactions/Questions/Perspectives

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- Transformation, Jointness, Interoperability, Interdependence will *Force* “Capability Solutions”. Will Change be sustained?
- Industry Will Gravitate to the Resource Holder. How will JCIDS Effect Past Prerogatives of the Services?
- NCO and the Drive to Interdependence Will Drive Multi-business Collaboration
- Industry Wants to Hear the Customer; Challenge Is to Find the “Real” Customer (Services, JCS, CCs, JFCOM, STRATCOM, PEOs, Def Agencies)
- JCIDS Process Requires Industry and DoD to Establish Active, Early and Continuous Communication
- Future Concepts Are Fuzzy; Dialogue Required to Define
- Competition for Resources (Internal to DOD and External in Business) Needs to Be Positively Harnessed

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